

REMARKS

Claims 1-10 are pending in the present application. In the above amendments, claims 1, 5, 6, and 10 have been amended to improve clarity, and new claims 11-15 have been added for consideration by the Examiner.

In the Office Action dated September 25, 2006, the Examiner objected to Figures 1 and 2 of the drawings because they should be illustrated with the legend "Prior Art." Applicants submit new Figures 1 and 2 with the "Prior Art" designation.

The Examiner further objected to claims 1 and 6 because the limitation "improving the channel performance" is deemed ambiguous. In response thereto, Applicants have amended claims 1 and 6 in accordance with the Examiner's suggestion.

The Examiner rejected claims 5 and 10 under 35 U.S.C. 112, second paragraph as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In particular, the Examiner indicated that the limitation "the frequency error estimate signal" lacks antecedent basis. In response thereto, Applicants have amended this limitation to provide proper antecedent basis.

The Examiner further rejected claim 1 on the ground of non-statutory obviousness-type double patenting as being unpatentable over claim 22 of US Patent 6,304,563. In response thereto, Applicants concurrently file herewith a Terminal Disclaimer, thereby obviating this rejection.

CONCLUSION

In light of the amendments contained herein, Applicants submit that the application is in condition for allowance, for which early action is requested.

Please charge any fees or overpayments that may be due with this response to Deposit Account No. 17-0026.

Respectfully submitted,

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By: /George J. Oehling/

George J. Oehling, Reg. No. 40,471
(858) 658-1761

QUALCOMM Incorporated
5775 Morehouse Drive
San Diego, California 92121
Telephone: (858) 658-5787
Facsimile: (858) 658-2502